

The following tables summarize information gathered from the California Natural Diversity Database (CNDDB 2002) regarding sensitive plant and wildlife species occurrences within and in the vicinity of the project area.

Table D-1. Sensitive plant species potentially found within the project area on JERSEY AND BRADFORD ISLANDS. Bold items indicate species with CNDDB occurrences on the islands, suitable habitat within the project area, or were observed during a preliminary reconnaissance survey conducted on May 22, 2003.

Common name	Scientific name	Status ^a	CNPS list	Quad(s) ^b	Flowering Period	Habitat requirements	Comments
Large-flowered fiddleneck	<i>Amsinckia grandiflora</i>	FE, SE	1B	Antioch South, Clayton	April–May	Cismontane woodland; Valley and foothill grassland	Known from only 3 natural occurrences. Suitable habitat does not occur within project area.
Mt. Diablo manzanita	<i>Arctostaphylos Auriculata</i>	---	1B	Antioch North, Antioch South, Clayton	Jan–Mar	Chaparral (sandstone)	Suitable habitat does not occur within project area.
Suisun marsh aster	<i>Aster lentus</i>	FSC	1B	Antioch North, Honker Bay, Jersey Island, Denverton, Woodward Island, Bouldin Island, Isleton, Rio Vista, Vine Hill, Fairfield South	May–Nov	Brackish and freshwater marshes and swamps; endemic to the Delta; most often seen along sloughs with <i>Phragmites</i>, <i>Scirpus</i>, blackberry, <i>Typha</i>, etc.; 0–3m elevation. Typically found in tidally-influenced areas.	Occurrence on north end of Jersey Island within Site 2, found along the base of the waterside of the levee. Suitable habitat occurs on waterside of levee only, and will thus not be impacted by the project. Species not observed during reconnaissance survey.
Heartscale ^c	<i>Atriplex cordulata</i>	FSC	1B	Birds Landing	April–Oct	Chenopod scrub, meadows and seeps, Valley and foothill grassland (sandy) / saline or alkaline; Alkaline flats and scalds in the Central Valley, sandy soils; 1–150m elevation	Suitable habitat does not occur within the project area.
San Joaquin saltbush ^c	<i>Atriplex joaquiniana</i>	FSC		Antioch North, Woodward Island, Rio Vista, Brentwood, Antioch South, Denverton, Fairfield South	April–Oct	Chenopod scrub, meadows and seeps, playas, Valley and foothill grassland / alkaline; in seasonal alkali wetlands or alkali sink scrub with <i>Distichlis spicata</i> , <i>Frankenia</i> , etc.; 1–250m elevation	Suitable habitat does not occur within project area.

Common name	Scientific name	Status ^a	CNPS list	Quad(s) ^b	Flowering Period	Habitat requirements	Comments
Big tarplant	<i>Blepharizonia plumose ssp plumose</i>	FSC	1B	Antioch North, Antioch South, Honker Bay, Brentwood, Antioch South, Walnut Creek	July–Oct	Valley and foothill grasslands; dry hills and plains in annual grassland. Clay to clay-loam soils, usually on slopes and often in burned areas.	Suitable habitat does not occur within the project area.
Mt. Diablo fairy-lantern	<i>Calochortus pulchellus</i>	---	1B	Antioch South, Clayton, Walnut Creek	April–June	Chaparral, cismontane woodland, riparian woodland, Valley and foothill grassland; On wooded and brush slopes	CNDDDB unsure whether plant occurs in Solano County. Primarily from the Mt. Diablo area. Suitable habitat does not occur within project area.
Bristly sedge	<i>Carex comosa</i>	---	2	Bouldin Island	May–Sept	Coastal prairie, marshes and swamps (lake margins), Valley and foothill grassland; Lake margins, wet places	Occurrence on Webb Tract ponds, 1.5 miles West of Webb Point Suitable habitat occurs on waterside of levee only, and will thus not be impacted by the project. Species not observed during survey.
Soft bird's-beak ^c	<i>Cordylanthus mollis ssp mollis</i>	FE, rare in CA	1B	Honker Bay, Jersey Island, Antioch North, Denverton, Fairfield South	July–Nov	Coastal salt marsh, typically with <i>Distichlis</i> , <i>Salicornia</i> , <i>Frankenia</i> spp.	Presumed extirpated on <u>Jersey Island</u> quad; Suitable habitat does not occur within the project area.
Dwarf downingia	<i>Downingia pusilla</i>	---	2	Antioch North, Denverton	Mar–May	Valley and foothill grassland (mesic); vernal pools; vernal lake and pool margins.	Suitable habitat does not occur within project area.
Diablo buckwheat	<i>Eriogonum truncatum</i>	---	1A	Antioch South, Clayton	Apr– (Nov)	Chaparral; coastal scrub; Valley and foothill grassland/ sandy	Presumed extinct in California. Suitable habitat does not occur within project area.
Round-leaved filaree	<i>Erodium macrophyllum</i>	---	2	Antioch North, Antioch South, Brentwood, Antioch South, Clayton	Mar–May	Cismontane woodland; Valley and foothill grassland / clay; clay soils; 15-1200m elevation	Suitable habitat does not occur within project area.

Common name	Scientific name	Status ^a	CNPS list	Quad(s) ^b	Flowering Period	Habitat requirements	Comments
Contra costa wallflower	<i>Erysimum capitatum ssp angustatum</i>	FE, FE	1B	Antioch North	Mar–July	Inland dunes; endemic to Contra Costa county; stabilized dunes of sand and clay near Antioch along the San Joaquin River; 3-20m elevation.	Suitable habitat does not occur within the project area.
Diamond-petaled California poppy	<i>Eschscholzia Rhombipetala</i>	FSC	1B	Antioch North, Antioch South, Woodward Island, Brentwood	Mar–April	Valley and foothill grassland (alkaline, clay); most sites are historical; alkaline, clay slopes and flats; 0-97m elevation	Suitable habitat does not occur within the project area.
Fragrant fritillary	<i>Fritillaria liliacea</i>	FSC	1B	Antioch North, Clayton	Feb–April	Cismontane woodland, coastal prairie, coastal scrub, Valley and foothill grassland/ often serpentinite; various soils reported though usually in clay, in grassland; 3-410m elevation	Suitable habitat does not occur within project area.
Diablo helianthella	<i>Helianthella castanea</i>	FSC	1B	Antioch South, Clayton, Walnut Creek	April–June	Broadleafed upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, Valley and foothill grassland; Usually in chaparral/oak woodland interface in rocky, azonal soils, often in partial shade.	Suitable habitat does not occur within project area.
Brewer's western flax	<i>Hesperolinon breweri</i>	FSC	1B	Antioch North, Antioch South, Clayton	May–July	•Chaparral; cismontane woodland; Valley and foothill grassland / usually serpentinite; often in rocky serpentinite soil in serpentine chaparral and grassland; 30-885m elevation	Suitable habitat does not occur within project area.

Common name	Scientific name	Status ^a	CNPS list	Quad(s) ^b	Flowering Period	Habitat requirements	Comments
Rose-mallow	<i>Hibiscus lasiocarpus</i>	---	2	Jersey Island, Woodward Island, Bouldin Island, Rio Vista	June–Sept	Marshes and swamps; moist, freshwater-soaked river banks and low peat islands in sloughs; known from the Delta watershed	Suitable habitat occurs on waterside of levee only, and will thus not be impacted by the project. No <i>Hibiscus</i> species of any type were observed during reconnaissance survey.
Carquinez goldenbush	<i>Isocoma arguta</i>	FSC	1B	Jersey Island, Antioch North, Honker Bay, Birds Landing, Rio Vista, Denverton, Rio Vista, Birds Landing, Fairfield South	Aug–Dec	Valley and foothill grasslands (alkaline); known only from Contra Costa and Solano counties; alkaline soils, flats, lower hills; on low benches near drainages and on tops and sides of mounds in swale habitat; 1-20m elevation	On Jersey Quad: Occurrence in Montezuma Hills, west of Rio Vista. Suitable habitat does not occur within project area.
Northern California black walnut	<i>Juglans hindsii</i>	FSC	1B	Isleton, Rio Vista	April–May	•Riparian forest and woodland; deep alluvial soil associated with a creek or stream; canyons and valleys 50–200 m in elevation.	Occurrences thought to be extirpated. Natural habitat is typically not within Delta islands, but the species has been widely planted, hybridizes readily with English walnut, and has been naturalized from cultivation. Observed on waterside of levee only and will not be affected by the project.
Contra costa goldfields	<i>Lasthenia Conjugens</i>	FE	1B	Antioch North, Antioch South, Denverton, Walnut Creek, Fairfield South	Mar–June	Cismontane woodland, playas (alkaline), valley and foothill grassland, vernal pools / mesic; vernal pools, swales, low depressions, in open grassy areas; 1-445m elevation	AN quad: occurrence near Antioch. Potential suitable habitat occurs within the project area, but the species was not observed during reconnaissance survey.

Common name	Scientific name	Status ^a	CNPS list	Quad(s) ^b	Flowering Period	Habitat requirements	Comments
Delta tule pea ^c	<i>Lathyrus jepsonii</i> <i>var jepsonii</i>	FSC	1B	Antioch North, Honker Bay, Jersey Island, Denverton,, Bouldin Island, Isleton, Rio Vista, Vine Hill, Fairfield South	May–Sept	Brackish and freshwater marshes and swamps; most distribution restricted to the Delta; often found with <i>Typha</i> , <i>Aster lentus</i> , <i>Rosa californica</i> , <i>Juncus</i> and <i>Scirpus</i> spp., usually on edges of marshes and sloughs	Suitable habitat occurs on waterside of levee only, and will thus not be impacted by the project. Species not observed during reconnaissance survey.
Mason's lilaeopsis ^c	<i>Lilaeopsis masonii</i>	FSC, rare in CA	1B	Antioch North, Jersey Island, Honker Bay, Bouldin Island, Vine Hill, Woodward Island, Bouldin Island, Isleton, Rio Vista, Denverton, Fairfield South	April–Nov	Freshwater and brackish marshes, riparian scrub; tidal zones, in muddy or silty soil formed through river deposition or river bank erosion; 0-10m elevation.	Observed on island along North edge of Bradford Island, and on island in Dutch Slough between levee remnant and Jersey Island; Suitable habitat occurs on waterside of levee only. Species was observed during reconnaissance survey on the waterside just north of the ferry landing on Bradford Island, under a Eucalyptus grove. The plants will not be impacted by the project.
Delta mudwort ^c	<i>Limosella subulata</i>	---	2	Antioch North, Jersey Island, Honker Bay, Bouldin Island, Woodward Island, Bouldin Island, Isleton, Rio Vista, Vine Hill	May–Aug	Riparian scrub, brackish and freshwater marsh; usually on mud banks of the Delta in marshy or scrubby riparian associations; often with <i>Lilaeopsis masonii</i> ; 0-3m elevation	Suitable habitat occurs on waterside of levee only, and will thus not be impacted by the project. Species not observed during reconnaissance survey.
Showy madia	<i>Madia radiata</i>	FSC	1B	Antioch North, Antioch South	Mar–May	Cismontane woodland, Valley and foothill grassland; mostly on adobe clay in grassland or among shrubs; 25-1125m elevation.	AN quad: southwest of Antioch at edge of cultivated field Suitable habitat does not occur within project area.

Common name	Scientific name	Status ^a	CNPS list	Quad(s) ^b	Flowering Period	Habitat requirements	Comments
Antioch dunes evening-primrose	<i>Oenothera deltoids ssp howellii</i>	FE, SE	1B	Antioch North, Jersey Island, Honker Bay	Mar–Sept	Inland dunes; occurs in remnant river bluffs and sand dunes east of Antioch.	3 occurrences on Jersey Island Quad. Found on Brannan Island State Rec. Area, growing on sand berms dominated by non-native perennial grasses. Also north of Oakley, adjacent to “Big Break” regional park. Suitable habitat does not occur within project area.
Bearded popcorn-flower	<i>Plagiobothrys hystriculus</i>	FSC	1A	Jersey Island, Antioch North, Honker Bay, Birds Landing, Rio Vista, Denverton, Rio Vista, Birds Landing	April–May	Valley and foothill grassland (mesic); vernal pools; wet sites; 10-50m elevation Known only from historical collection in Solano County.	Jersey Quad: Occurrence on Road 425, Montezuma Hills, southwest of Rio Vista. Suitable habitat does not occur within project area.
Eel-grass pondweed ^c	<i>Potamogeton zosteriformis</i>	---	2	Jersey Island, Bouldin Island	June–July	Marshes, swamps, ponds, lakes, and streams; 0-1860m elevation	Jersey quad: occurrence on Webb Island, Sacramento Delta peat lands Suitable habitat occurs on waterside of levee only, and will thus not be impacted by the project. No <i>Potamogeton</i> species of any type were observed during reconnaissance survey.
Sanford’s arrowhead ^c	<i>Sagittaria sanfordii</i>	FSC	1B	Isleton	May–Oct	In standing or slow moving freshwater ponds, marshes, and ditches; shallow freshwater marshes and swamps	Most occurrences on San Joaquin River, Central Valley. 1 occurrence on island in North Mokelumne River, 6km east of Isleton. Suitable habitat on waterside of levee only, and will thus not be impacted by the project. The species was not observed during reconnaissance survey.

Common name	Scientific name	Status ^a	CNPS list	Quad(s) ^b	Flowering Period	Habitat requirements	Comments
Marsh skullcap ^c	<i>Scutellaria galericulata</i>	---	2	Woodward Island, Bouldin Island	June–Sept	Marshes and swamps, meadows and seeps, lower montane coniferous forest; 0–2100m elevation.	Occurrences from the Delta in San Joaquin County need further study. Locations are mostly in Sierras. Suitable habitat on waterside of levee only, and will thus not be impacted by the project. No <i>Scutellaria</i> species of any type were observed during reconnaissance survey.
Blue skullcap ^c	<i>Scutellaria lateriflora</i>	---	2	Jersey Island, Bouldin Island, Terminous, Thornton, Isleton, Bouldin Island, Isleton	Mar–July	Wet meadows and marshes; -3–50m elevation.	Jersey Quad: Occurrence on Bouldin Island. Suitable habitat on waterside of levee only, and will thus not be impacted by the project. The species was not observed during reconnaissance survey.
Rayless ragwort	<i>Senecio aphanactis</i>	---	2	Antioch South, Clayton	Jan–April	Chaparral, cismontane woodland, coastal scrub/alkaline	Suitable habitat does not occur within project area.
Caper-fruited tropidocarpum ^c	<i>Tropidocarpum capparidem</i>	FSC	1A	Woodward Island, Brentwood, Clayton	Mar–April	Valley and foothill grassland (alkaline hills)	Presumed extinct in California. Suitable habitat does not occur within project area.

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- FE Listed as endangered under the federal Endangered Species Act.
 - FT Listed as threatened under the federal Endangered Species Act.
 - FC Federal candidate species.
 - FSC Federal species of concern
 - SE Listed as endangered under the California Endangered Species Act.
 - ST Listed as threatened under the California Endangered Species Act.
 - SC State candidate species
 - CSC CDFG species of special concern.

CNPS listing status:

- 1A Plants presumed extinct in California
- 1B Plants rare, threatened, or endangered in California and elsewhere
- 2 Plants rare, threatened, or endangered in California, but more common elsewhere

b Quad(s) refers to USGS 7.5' quadrangles (project area quad [Jersey Island] plus 8 adjacent quads) searched for occurrences of this species.

c Indicates specimens viewed at Jepson Herbarium (UC Berkeley) on 5/21/03, prior to preliminary reconnaissance survey.

Table D-2. Sensitive fish and wildlife species potentially found within the JERSEY and BRADFORD ISLANDS project area. [Bold items could occur within the project area based on habitat requirements]

Common name	Scientific name	Status ^a	Quad(s) ^b	Comments
Fish				
Sacramento perch	<i>Archoplites interruptus</i>	FSC	Antioch North	Historically found in sloughs, slow-moving rivers, and lakes. Although none have been observed within the project area, suitable habitat (in waterways adjacent to the islands) does exist within the project area, and therefore, the species could occur. EVEN THOUGH MAY OCCUR, PROJECT WILL NOT HAVE NEGATIVE IMPACTS.
Amphibians				
California Tiger Salamander	<i>Ambystoma californiense</i>	FE (population in Sonoma and Santa Barbara)	Honker Bay, Antioch North, Antioch South, Birds Landing, Brentwood, Antioch South, Clayton, Denverton, Walnut Creek	Occurs in hilly non-native grassland in burrows, vernal pools, other seasonal water sources. Suitable habitat not found within project area.
California red-legged frog	<i>Rena aurora draytonii</i>	FT	Honker Bay, Antioch South, Clayton, Walnut Creek, Fairfield South	Occurs in or near permanent sources of deep water with dense shrubs and riparian vegetation. Suitable habitat not found within project area.
Reptiles				
Western pond turtle	<i>Clemmys marmorata</i>	CSC	Jersey Island, Antioch North, Woodward Island, Bouldin Island, Isleton, Brentwood, Antioch South, Fairfield South	Occurs in ponds, marshes, rivers, streams and irrigation ditches with aquatic vegetation. Observed on east side of Jersey Island.
Northwestern pond turtle	<i>Clemmys marmorata marmorata</i>	FSC	Bouldin Island, Isleton	Typically found in association with permanent water in a variety of habitats.
Silvery legless lizard	<i>Anniella pulchra pulchra</i>	FSC	Jersey Island	Typically found in sandy or loose loamy soils under sparse vegetation. Suitable habitat not found within project area.
California horned lizard	<i>Phrynosoma coronatum frontale</i>	FSC	Clayton	Occurs most commonly in lowlands along sandy washes with scattered low bushes. Suitable habitat not found within project area.
Alameda whipsnake	<i>Masticophis lateralis euryxanthus</i>	FT, ST	Antioch South, Clayton, Walnut Creek	Occurs in valley-foothill hardwood habitat. Suitable habitat not found within project area.
Giant garter snake	<i>Thamnophis gigas</i>	FT, ST	Jersey Island, Antioch North, Bouldin Island	Occurs in freshwater marsh and low gradient streams, as well as drainage canals and irrigation ditches. Although none have been observed within the project area, suitable

Common name	Scientific name	Status ^a	Quad(s) ^b	Comments
Birds				habitat may exist within the project area, and therefore, the species could occur.
Double-crested cormorant	<i>Phalacrocorax auritus</i>	---	Antioch North	Colonial nester coastal cliffs, offshore islands, lake margins. Reported on Sherman Island. Suitable nesting habitat not likely to be found within project area.
White-tailed kite	<i>Elanus leucurus</i>	FSC	Antioch North	Nests in rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland habitats. Forages in open grasslands, meadows, or marshes that are close to isolated, dense-topped trees for nesting and perching. Suitable nesting habitat does not occur within project area, but potential short-term impacts to foraging habitat may occur.
California black rail	<i>Laterallus jamaicensis coturniculus</i>	FSC, ST	Honker Bay, Vine Hill, Jersey Island, Woodward Island, Denverton, Fairfield South	Occurs in tidal salt marsh heavily grown to pickleweed. Mainly inhabits salt-marshes bordering larger bays. Suitable habitat does not occur within the project area.
California clapper rail	<i>Rallus longirostris obsoletus</i>	FE, SE	Honker Bay, Vine Hill, Fairfield South	Occurs in saltwater and brackish marshes traversed by tidal sloughs. Associated with abundant growths of pickleweed. Suitable habitat does not exist within the project area.
Mountain plover	<i>Charadrius montanus</i>	FT(Proposed)	Birds Landing	Occurs in grasslands, freshly plowed fields, and newly sprouting grain fields. Suitable habitat does not exist within project area.
Great blue heron	<i>Ardea herodias</i>	---	Woodward Island, Bouldin Island	Colonial nester in tall trees, cliffsides. Rookery sites are usually in close proximity to foraging areas, such as marshes, tide-flats, and wet meadows. Species was observed in project area during site visit and reconnaissance survey. Suitable nesting habitat does not occur within project area, but potential short-term impacts to foraging habitat may occur.
Swainson's hawk	<i>Buteo swainsoni</i>	FSC, ST	Bouldin Island, Isleton, Rio Vista, Brentwood	Breeds in stands with few trees in juniper-sage flats, riparian areas and in oak savannah. Typically forages in grasslands, or agricultural areas supporting rodent populations. A foraging Swainson's hawk was observed during the CDFG 1999 AB360 habitat assessment. Suitable nesting habitat does not occur within project area, but potential short-term impacts to foraging habitat may occur.
Burrowing owl	<i>Athene cunicularia</i>	FSC, CSC	Antioch North, Birds Landing,	Burrow sites are typically located in open, dry, annual or

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			Honker Bay, Jersey Island, Rio Vista, Birds Landing, Brentwood, Antioch South, Clayton, Denverton, Walnut Creek, Fairfield South	perennial grasslands, deserts, and shrublands characterized by low-growing vegetation. Although none have been observed within the project area, potential burrowing owl habitat was found on Jersey Island during the reconnaissance survey. Pre-construction surveys will be conducted for this species.
Short-eared owl	<i>Asio flammeus</i>	---	Honker Bay, Denverton, Fairfield South, Fairfield South	Found in swamplands, lowland meadows, and irrigated alfalfa fields. Typically nest in tule patches or tall grass. None have been observed within the project area, and tule habitat will not be impacted by the project.
Bank swallow	<i>Riparia riparia</i>	FSC, ST	Jersey Island	Colonial nester in vertical banks/cliffs with fine-textured sand soils near rivers. Suitable habitat not found within project area.
Suisan song sparrow	<i>Melospiza melodia maxillaries</i>	FSC	Antioch North, Honker Bay, Vine Hill, Denverton, Fairfield South	Occurs in association with cattails, tules, and other sedges. None have been observed within the project area, and suitable habitat does not occur within the project area.
Tricolored blackbird	<i>Agelaius tricolor</i>	FSC	Honker Bay, Denverton, Birds Landing, Brentwood, Vine Hill	Highly colonial species requiring open water and protected nesting substrate, as well as adjacent vegetation for nesting. Suitable habitat not found within project area.
Mammals				
San Joaquin pocket mouse	<i>Perognathus inornatus inornatus</i>	FSC	Honker Bay, Antioch South, Clayton	Occurs in grasslands and blue oak savannas. Suitable habitat not found within project area.
Salt-marsh harvest mouse	<i>Reithrodontomys raviventris</i>	FE, SE	Honker Bay, Denverton, Vine Hill, Antioch North, Fairfield South	Occurs only in saline emergent wetlands of San Francisco Bay and its tributaries, where pickleweed is predominant. Suitable habitat not found within project area.
San Joaquin kit fox	<i>Vulpes macrotis mutica</i>	FE, ST	Woodward Island, Brentwood, Antioch South, Clayton	Occurs in annual grasslands or grassy open areas with scattered shrubby vegetation. Suitable habitat not found within project area.
Insects				
Vernal pool fairy shrimp	<i>Branchinecta lynchi</i>	FT	Antioch North, Woodward Island, Birds Landing, Brentwood, Antioch South, Denverton	Occurs in small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools. Suitable habitat not found within project area.
Vernal pool tadpole shrimp	<i>Lepidurus packardii</i>	FE	Antioch North, Honker Bay, Denverton	Inhabits vernal pools and swales, commonly in grass-bottomed swales of unplowed grasslands. Suitable habitat not found within project area.
Conservancy fairy shrimp	<i>Branchinecta conservatio</i>	FE	Denverton	Occurs in large, turbid pools located in swales formed by old, braided alluvium. Suitable habitat not found within project area.
Midvalley fairy	<i>Branchinecta</i>	FSC	Birds Landing, Brentwood	Occurs in small, grassy vernal pools. Suitable habitat not found

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shrimp	<i>mesovallensis</i>			within project area.
California linderiella	<i>Linderiella occidentalis</i>	FSC	Antioch North, Denverton, Vine Hill, Fairfield South	Inhabits seasonal pools in unplowed grasslands with old alluvial soils underlain by hardpan or in sandstone depressions. Suitable habitat not found within project area.
Curved-foot hygrotus diving beetle	<i>Hygrotus curvipes</i>	FSC	Jersey Island, Brentwood	Inhabits vernal pool and wetland habitats within the Delta. Suitable habitat not found within project area.
San Joaquin dune beetle	<i>Coelus gracilis</i>	FSC	Antioch North	Occurs in fossil dunes along the western edge of San Joaquin Valley. Suitable habitat not found within project area.
Sacramento anthicid beetle	<i>Anthicus sacramento</i>	---	Rio Vista	Occurs in sand dunes of the Delta. Suitable habitat not found within project area.
Molestan blister beetle	<i>Lytta molesta</i>	FSC	Brentwood, Antioch South	Usually found in association with vernal pool vegetation. Suitable habitat not found within project area.
Antioch efferian robberfly	<i>Efferia antiochi</i>	FSC	Antioch North	Known only to occur at Antioch Dunes, Contra Costa County and Fresno, Fresno County. Suitable habitat not found within project area.
Antioch andrenid bee	<i>Perdita scituta antiochensis</i>	FSC	Antioch North	Known only to occur at Antioch Dunes, Contra Costa County. Suitable habitat not found within project area.
Antioch mutilid wasp	<i>Myrmosula pacifica</i>	FSC	Antioch North	Known only to occur at Antioch Dunes, Contra Costa County. Suitable habitat not found within project area.
Lange's metalmark butterfly	<i>Apodemia mormo langei</i>	FE	Antioch North	Known only to occur at Antioch Dunes, Contra Costa County. Suitable habitat not found within project area.
Monarch butterfly	<i>Danaus plexippus</i>	---	Fairfield South	Roosts in wind-protected tree groves with nectar and water sources nearby.
Middlekauf's shieldback katydid	<i>Idiostatus middlekaufi</i>	FSC	Antioch North	Known only to occur at Antioch Dunes, Contra Costa County. Suitable habitat not found within project area.
Bridges' coast range shoulderband (snail)	<i>Helminthoglypta nickliniana bridgesi</i>	FSC	Antioch South, Clayton	Inhabits open hillsides and tends to colonize under tall grasses and weeds. Suitable habitat not found within project area.

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